

IONESCU, O.

Polish airplanes in Rumania; a letter from a friend. p. 15.
(Skrzydlate Polaka, Vol. 13, No. 22, May. 1957, Krakow, Poland)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug. 1957. Uncl.

RUMANIA/Chemical Technology - Chemical Products and Their
Application. Fats and Oils. Waxes. Soaps.
Detergents. Flotation Agents.

H-25

Abs Jour : Ref Zhur - Khimiya, No 17, 1958, 58909

Author : Nicolescu, I.V., Ionescu Olga

Inst : -

Title : Concerning the Surface-Active Properties of Detergent
Substances.

Orig Pub : An. Univ., "C.J. Parhon". Ser. Stiint. natur., 1957,
No 15, 103-108.

Abstract : The results are given of an investigation of the surface-
active properties of Na-isooctylbenzolsulphonate, and of
the influence of the chemical construction of several
hydrocarbons (tetraline, decalin isooctylbenzol) on the
surface properties of solutions of detergents (surface
tension, coefficient of spread).

Card 1/1

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I 33723-66

ACC NR:

APPROVED FOR RELEASE: Thursday, July 27, 2000

SOURCE CODE: RU/0012/65/061/004/0611/0615

CIA-RDP86-00513R00051871

AUTHOR: Menaide, I. (Doctor; Colonel); Calin, V. (Major; Doctor); Calin, E. (Doctor);
Ionescu, P. (Doctor; Lieutenant colonel)

ORG: none

TITLE: Considerations on sprains of the knee joint in military environments

SOURCE: Revista sanitara militara, v. 61, no. 4, 1965, 611-615

TOPIC TAGS: skeletal mechanics, injury, military medicine

ABSTRACT: The authors analyze the cases of sprained knees treated during the last 6
years at their hospital. They find that knee injuries represent a relatively high
proportion of the total number of injuries treated, that early treatment is most
effective, and that the Hey-Groves-Smith method of treating ruptures of crossed ligaments,
which they tried in a small number of cases, gives good to excellent results. JPRS; 33,500

SUB CODE: 06/ SUBM DATE: 22Jan65/ ORIG REF: 005/ OTH REF: 002

LS

Card 1/1

1 53108-65

ACCESSION NR: AP5023237

RU/0012/64/000/005/0743/0750

AUTHOR: Ionescu, P. (Veterinarian, Major)

TITLE: Some aspects concerning the effect of gamma and x-rays on the
endocrinal system of test animals

SOURCE: Revista sanitara militara, no. 5, 1964, 743-750

TOPIC TAGS: experiment animal, gland, endocrinology, radiation biologic effect,
gamma irradiation, x ray irradiation

ABSTRACT: A review article summarizing experimental work per-
formed by various units and individuals, including I. S.
Grigoriev, A. V. Libidinsky, I. U. M. Olenov, D. E. Groz-
denski, etc. The work covered the effect of X-rays and
gamma rays on various systems and organs, particularly the
thyroid, thymus, gonade and ovaries.

ASSOCIATION: none

1/2

L 63408-65

ACCESSION NR: AP5023237

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NR REF SOV: 001

OTHER: 013

JPRS

2/2

RUMANIA

SUTEU, I., Colonel, Medical Corps; GIURGIU, T., Lieutenant-Colonel, Medical Veterinary Corps; IONESCU, P., Major, Medical Veterinary Corps; SAFTA, T., Major, Medical Veterinary Corps; and BANDILA, TR., Lieutenant-Colonel, Medical Corps.

"Some Physiopathologic and Therapeutic Aspects of Experimental Hyperthermic Shock"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 48-51

Abstract: Study on 32 rats, 40 rabbits, 6 dogs brought into experimental hyperthermic shock by placing them for 30 minutes in an environment raising their colonic temperature to 44°C. and then treated with various drugs; different types of cooling. Gradual air cooling was best, ice cooling too drastic and sudden; digitalization was helpful but other drugs had questionable value.

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RUMANIA

SUTEU, I., Colonel, Medical Corps; GIURGIU, T., Lieutenant-Colonel, Medical Veterinary Corps; IONESCU, P., Major, Medical Veterinary Corps; and SAFTA, T., Major, Medical Veterinary Corps.

"An Experimental Model for the Study of Controlled Induced Hyperthermia"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 51-53

Abstract: Study on 32 rats, 36 rabbits and 5 dogs in a specially built box "Pirostat" for experimental hyperthermia; chlorpromazine or related drugs, anesthetics, ganglioplegics were given. These, plus careful monitoring and supportive treatment before and after, permit achieving body environment (excluding the head) temperature of 80°C. for 20 minutes with ultimate survival; far beyond the 44°C. previously thought to be maximum compatible with recovery. 2 photographs.

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RUMANIA

GIURGIU, T., Lieutenant-Colonel, Medical Veterinary Corps; IONESCU, P.,

RUMANIA

OANCEA, Tr., Colonel, Medical Corps; ATHANASESCU, S., Colonel, Medical Corps; POPESCU, P., Lieutenant-Colonel, Medical Corps; BACHMAN, M., Lieutenant-Colonel, Medical Corps; GIURGIU, T., Lieutenant-Colonel, Medical Veterinary Corps; IONESCU, P., Major, Medical Veterinary Corps; SAFTA, T., Major, Medical Veterinary Corps; NOVACEK, A., Captain, Medical Corps; VOICU, Gh., Captain, Medical Corps; and SINGER, D., Lieutenant-Colonel, Medical Corps.

"Experimental Research on the Effectiveness of Some Therapeutic Measures in Blast Injury Shock"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 58-62

Abstract: Study on 44 dogs and 70 rabbits and 26 guinea pigs, exposed to shock from explosion of 2 kilograms of "Trotil" [TNT?] at varying distances from 2.2 to 25 meters away; use of "Dip-Dol" [Diparcol (diethazine) with Dolantin (pethidine)?] with a tracheostomy. The neuroplegic treatment had good effects as had the tracheostomy in acute respiratory insufficiency. Artificial respiration was pointless. 1 chart, 2 kymograms, 3 tables.

RUMANIA

QANCEA, T., Colonel, Medical Corps; ATHANASESCU, S., Colonel, Medical Corps; CINDEA, V., Captain, Medical Corps; POPESCU, P., Lieutenant-Colonel, Medical Corps; GIURGEA, Gh., Major, Medical Corps; VOICU, Gh., Captain, Medical Corps; SAFTA, T., Major, Medical Corps; and IONESCU, P., Major Medical Corps.

"Cardiac Tamponade -- a Study of the Physiopathology with Therapeutic Lessons in Peacetime and Under Conditions of War"

Bucarest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 62-66

Abstract: Study on 10 dogs, producing penetrating scalpel wounds to left cardiac ventricle, 1-3 centimeters in extent; careful monitoring of cardiovascular sequelae. The causes contributing to either rapid death or unexpected recovery through presence of just the right amount of blood to block hemorrhage without overloading heart were investigated in detail. 3 photographs of surgical specimens.

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RUMANIA

OANCEA, T., Colonel, Medical Corps; ZITTI, Eugen, Dr., GIURGIU, T., Lieutenant-Colonel, Medical Veterinary Corps; IONESCU, P., Major, Medical Veterinary Corps; SAFTA, T., Major, Medical Veterinary Corps; POPESCU, P., Lieutenant-Colonel, Medical Corps; and STEFANESCU, Th., Lieutenant-Colonel, Medical Corps.

"Experimental Studies on Pulmonary Autografting"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 226-228

Abstract: Report on total pulmonary autograft studies on 11 dogs, with survival up to 9 days. The metabolic and general tissue viability as well as details of surgical technic must be mastered thoroughly before the major problem of immune reaction comes up. 1 table.

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RUMANIA

AUGUSTIN, Al., Colonel, Medical Corps, Physician Emeritus; GRIGORESCU, C., Colonel, Medical Corps; STRINBEANU, I., Colonel, Medical Corps; GIURGIU, T., Lieutenant-Colonel, Medical Corps; IONESCU, P., Major, Medical Corps; MARINESCU, I., Major, Medical Corps; and ROMAN, I., Major, Medical Corps.

"Evolution of Renal Lesions in Radiation Sickness"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 453-458

Abstract: X-irradiation with 440 r in rabbits, followed by unilateral nephrectomy at 6 or 24 hours thereafter, and careful histopathological study of the remaining kidney 23 of 35 days after the first operation revealed that radiation disease brings about specific processes in kidney and delays healing and cicatrization. 6 photomicrographs.

1/1

IONESCU, P.

Brigade of pupils and their instructor. p. 4. CONSTRUETORUL.

(Ministerul Constructiilor si Industrii Materialelor de Constructii si
Uniunea Sindicatelor de Salarati din Intreprinderile de Constructii)
Bucuresti. Vol. 8, no. 331, May 1956

So. East European Accessions List Vol. 5, no. 9 September, 1956

IONESCU, P.

IONESCU, P. Waste is hindering the factory from fulfilling the plan. p. 2.

Vol. 8, no. 359, Dec. 1956

CONSTRUCTORUL
TECHNOLOGY
RUMANIA

So: East European Accession, Vol. 6, No. 5, May 1957

IONESCU, P.

Studying the draft of a collective contract. p. 4.
(CONSTRUCIORUL. Vol. 9, no. 373, Mar. 1957, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (LEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

IONESCU, P.

Machines helping man. p. 3.
(CONSTRUCTORUL. Vol. 9. no. 399, Sept. 1957, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC: Vol. 6, No. 12, Dec. 1957.
Uncl.

IONESCU, P., ing.; PAUNESCU, N., ing.

Completion of narrow benches with stabilized soil. Rev calior
fer 12 no. 6:327-331 Je '64.

1. Iasi Regional Office (L) (for Ionescu). 2. Section L 8,
Tirgu Ocna (for Paunescu).

IONESCU, P., ing.; CRISU, S., tehnician

Consolidation of the earthwork with ballast bags. Rev. caiilor fer 10
no.7:349-356 JI '62.

1. Directia regionala, Iasi.

IONESCU, P., ing.; CRISU, S., tehn.

Consolidation of the earthwork with ballast bags. I. Rev callor
fer IQ no. 6:294-301 Je '62.

1. Directia regionala Iasi.

MIHAI, C., dr.; BOIU, M., dr.; IONESCU, P., dr.; MILCU, V., dr.

Contributions to the pathogenesis of the complications of influenza
(epidemic of 1959). Med. int., Bucur. 11 no. 11: 1687-1692 N '59.

(INFLUENZA, complications)

(CAPILLARIES, pathology)

(PULMONARY EDEMA, etiology)

(PNEUMONIA, etiology)

IONESCU, Paul

Study on the economical activity of a regional department of
the railroad. Rev callor fer 12 no. 7:363-367 J1 '64.

Country : RUMANIA

G

Category: Organic Chemistry. Natural Compounds and Their
Synthetic Analogues

Abs Jour: RZhKhim., No 17, 1959, No. 61041

Author : Isacescu, D. A.; ~~Ionescu, P.~~

Inst : -

Title : Synthetic Proteins, Containing Iodine, As
Hormone Substitutes of Thyroid Gland. I. Syn-
thesis of Iodine-Containing Proteins from Casein.

Orig Pub: Commun. Acad. RPR, 1958, 8, No 6, 571-575

Abstract: Effects of different factors on the iodation of
casein, containing 6% of tyrosine, were studied.
The maximum quantity of thyroxine iodine (6.75
atoms per mol of tyrosine) in the reaction pro-
duct was found that occurred when the reaction was

Card : 1/2

IONESCU, P.; ISACESCU, D.

Synthetic iodoproteins as substitutes for thyroid hormones. II. Influence of casein iodoproteins upon the basal metabolism and ponderal loss of the rat, and upon the tadpole metamorphosis, p. 785.

COMUNICARILE. Bucuresti, Rumania, Vol. 8, no. 8, Aug. 1958.

Monthly List of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

GALEN, Gh. conf.; RADULESCU, E., dr.; GALE, I., dr.; VASILE, Smaranda, dr.;
ROVINTESCU, F., dr.; IONESCU, Pelaghia, dr.

Biological and clinical value of the urinary elimination of
17-ketosteroids in epidemic hepatitis, chronic hepatitis and
cirrhosis following epidemic hepatitis. Med. intern. 16 no.1:
55-65 Ja'64

1. Lucrare efectuata in Clinica de semiologie a Spitalului
"Brincovenesc".

*

IONESCU, P.

Method of eliminating the chlorine from electrolytic solutions. METALURGIA
SI CONSTRUCTIA DE MASINI (Metallurgy and Machine Construction.) 2:31:Feb 55

IONESCU, P.

IONESCU, P. The persistency property of seismic epicenters of the
Vrancea area. p. 647.

Vol. 8, no. 3, July/Sept.

BULETIN STIINTIFIC.

SCIENCE

ROMANIA

So: East European Accession, Vol. 6, No.5, May 1957

Quesada, T., et Jorgensen, P. Détermination des pertes de fluide à travers l'espace compris entre le piston et le cylindre d'une pompe. Com. Acad. R. P. Rouine 3 (1956), 871-876 (Romanian, Russian and French summaries)

1-FW

4
4541

The authors' object is to determine the loss of fluid which is caused by the piston in the cylinder of a pump. The problem is reduced to the determination of the laminar motion in the region bounded by two coaxial cylinders. The velocity of the interior cylinder varies with time.

The authors obtain explicit expressions for the velocity distribution and the discharge. These expressions contain the Bessel functions $J_0(z)$ and $Y_0(z)$ under the integral sign.

It should be noted, however, that a vast amount of computational work has to be carried out before any numerical verification of these solutions can be established.

IONESCU, P.; GOLDFRACHT, TH.

A method of forecasting the behavior of gas deposits in case of advancing marginal water. p. 386.

PETROL SI GAZE. (Asociatia Stiintificia a Ingineri or si Technicienilor din Romania si Ministerul Industriei Petrolului si Chimiei) Bucuresti Rumania. Vol. 10, no. 9, 1959

Monthly list of East European Accessions (EEAI) LC Vol. 9, no.2
Feb. 1960

Uncl.

IONESCU, P.^{the}; MACAVEI, M.; ISACESCU, D.

Studies on disalbumenizers and disalbumenization. VII Influence of tolylsulfonic acids, trichloroacetic acid, and various mineralizers on the content of the total nonproteinic nitrogen. p. 845

COMUNICARILE. Bucuresti, Rumania, Vol. 7, no. 10, October 1957

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 8, August, 1959

Uncl.

K-4

RUMANIA / Forestry. Forest Management

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43948

Author : Ionescu, Petre

Inst : Not given

Title : On the New Direction in the Forest Management
(of Rumania)

Orig Pub: Rev. padurilor, 1957, 71, No 8, 498-501

Abstract: No abstract.

Card 1/1

IONESCU, P.D.

APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R000

71(

AUTHORS: Sinyanskiy, V.I., Solomon, L.Ye., Ionescu, P.D. 131-12-9/9

TITLE: Report on Matters Concerning Science and Technical Engineering of
Other Countries (Iz inostrannoy nauki i tekhniki). The Functioning
of Refractories Made from Forsterite in Forging Furnaces (Sluzhba
forsteritovykh ogneporov v podinakh kuznechnykh pechey)

PERIODICAL: Ogneupory, 1957, Nr 12, pp. 568-571 (USSR)

ABSTRACT: Forsterite refractories are mainly produced from serpentine raw material. Refractories, the main component of which is forsterite ($2 \text{ MgO} \cdot \text{SiO}_2$), have a weaker reaction with respect to iron oxides than the aluminum silicates of the fireclay products, and therefore they are not destroyed so quickly. The refractory lining of forging furnaces is subjected to considerable temperature fluctuations while in operation and also when operation is interrupted, which leads to a destruction of the arched roof of the furnace, and pieces of fireclay bricks fall on to the hearth of the furnace. Table 1 shows the properties of fireclay-magnesite and forsterite refractories. Further, the mineralogical composition of the forsterite is given and its mounting and operation are described in detail. The illustration shows a forsterite hearth brick after the smelting furnace campaign. In table 2 the chemical analyses and the state of the refractory forsterite bricks

Card 1/2

ANDRONOVICI, Gh.; BADENSKI, A.; OLARIU, Tr.; IONESCU, R.; JONESCU, M.;
RISNICU, V.

Epidemiological studies of an epidemic of dysentery in a
community. Rev. igiena microb. epidem., Bucur. 1:26-40
Jan-Mar 55.

1. Lucrare efectuata in cadrul Sanepidului central al Capitalei.
(DYSENTERY, epidemiol.
epidemic in school in Rumania, etiol., develop. &
prev. measures.

RAILEANU, T., dr.; IONESCU, R. dr.; ILEU, Al., dr.; FARCAS, Gh., dr.;
ROZOR, Florica, dr.

Gastric polyps. Med. inq. no. 15 no. 8:987-990 Ag '63.

1. Lucrare efectuata in Spitalul MTC din Oradea.
(STOMACH NEOPLASMS) (POLYPI)

VOICULESCU, M., prof.; DUMITRESCU, Maria; IONESCU, R.; LEONESCU, M.; DAVIDESCU,
C.; PAUN, L.; VLAD, R.

Staphylococcal septicemia. Microbiologia (Bucur) 6 no.1:24 Ja-F '61.

IONESCU, RAZVAN

VOICULESCU, Marin; GOLAMSCU, Maria; IONESCU, Razvan; SUCIU-MIRAN, Florica;
PAVLACHE, Alexandra

Staphylococci in hospitalized patients. Probl. ter., Bucur. 5:79-87
1957.

(MICROCOCCLUS PYOGENES

pathogenic & antibiotic-resistant types isolated from
hospitalized patients in Rumania)

Ionescu, Razvan

RUMANIA

IONESCU, Razvan, MD.

Municipal Physician of Hospital No 1 for Contagious Diseases
(Medic Primar al Spitalului de Boli Contagioase Nr. 1),
Bucharest.

Bucharest, Viata Medicala, No 4, 15 Feb 63, pp 275-283.

"Peculiar Features in the Practice of Antimicrobial Therapy."

(1)

IONESCU, RODICA

1. "The Ninth Edition of the USSR Pharmacopoeia," Prof. P. IONESCU SMILAN, Farm Ing P. BSEAL and Farm SCIVA (Bucharest) pp 63-76.
2. "The Position of Gentamicin in the Streptococcal Complex of the Pantheon," Farm IUDIA ENDOCRINOLOGIA (BUCURESTI) pp 77-79.
3. "Investigations in the N-methyl-piperazine Series (III) Nitrobenzole Acids and Nitrobenzole Acid Derivatives with a Possible Cardiovascular Action," Conf R. RUSSESCU, Dr V. DOLIU, Farm BUCURESTI, ENDOCRINOLOGIA, Farm IUDIA ENDOCRINOLOGIA (BUCURESTI) pp 81-83.
4. "Investigations on the Antituberculous Activity of Certain Derivatives of the Thiazole Class," Conf R. RUSSESCU, Farm IUDIA ENDOCRINOLOGIA (BUCURESTI) pp 83-85.
5. "Glucosamine Obtained from Carotenes: Its Therapeutic Importance," Prof S. ANDRU, Farm IUDIA ENDOCRINOLOGIA (BUCURESTI) pp 93-95.
6. "On the Antispasmodic and Anesthetizing Action of Camphor," Conf R. RUSSESCU, Farm IUDIA ENDOCRINOLOGIA (BUCURESTI) pp 95-97.
7. "Sodium Bicarbonate Perfusion," Farm G. D. DIACU and Farm IUDIA ENDOCRINOLOGIA (BUCURESTI) pp 107-110.

(32)

IONESCU, Romulus, prof. (Mangalia)

"The seas and oceans of the earth" by Petre Barbuneanu. Reviewed
by Romulus Ionescu. Natura Geografie 13 no.4:85-86 Jl-Ag '61.

IONESCU, Romulus, prof. (Mangalia)

The glass globe and its use in map projection teaching.
Natura Geografie 12 no. 6:103-108 N-D '60.

IONESCU, S.

Drawings in standardization. p. 25.
STANDARDIZAREA, Bucuresti, Vol. 7, no. 5, May 1955.

SO: Monthly List of East European Accessions, (HEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

IONESCU, S.; ARIE, E.

Approximations by using equivalent networks in the calculation of both the stationary conditions and the static stability of the electric systems. p. 709

STUDII SI CERCETARI DE ENERGETICA. Bucuresti, Rumania. Vol. 7, no. 4, 1957

Monthly List of East European Accession. (EEAI) LC, Vol. 8, no. 9, ^{Sept.}1959
Uncl.

IONESCU, S.; NICOLAE, P.; POMIRLEANU, M.

Principles of secondary astatic regulation of frequency. Rev
electrotechn energet 4 no.2:323-332 '59. (EEAI 10:1)
(Frequency)

IONESCU, S.

Characteristics of the functioning of an asynchronous motor. Variable tensions and constant frequency applied for the fixed values of the electromagnetic couple.
p.337

STUDII SI CERCETARI DE ENERGETICA
Bucuresti, Rumania
Vol. 9, no. 2, 1959

Monthly list of European Accession Index (EAI) LC Vol. 8, No. 11
November 1959
Uncl.

DEMA, I.; DUMITRU, M.; OIRD, E.; GAINAR, E.; RUSI, A.; SPIRIDON, St.;
SABAU, G.; CONSTANTINESCU, O.; IONESCU, S.

Contributions to the utilization of organic solvents as eluting
agents in cation exchange. II. On the possibilities of a selective
elution of lanthanides. Studii cerc fiz 11 no.2:397-405 '60.
(KEAI 10:1)

(Solvents) (Elution) (Rare-earth metals)
(Base-exchanging compounds) (Organic compounds)

ARIE, E.; IONESCU, S. [Ionescu, S.]; NIKOLAE, P. [Nicolae, P.]; POMIRLIYANU, M.
[Pomirleanu, M.]

The study on models of the operating conditions of intersystem weak
couplings. Rev electrotechn energet 6 no.1:75-93 '61.

(Electric power distribution)

IONESCU, Sebastian; POMIRLEANU, Marius

Results supplied by the electronic digital computer CIFA-2 at the computation of dynamic conditions in electric-power systems with the running of automatic controllers taken into account. Studii cerc energet 11 no.3:533-550 '61.

IONESCU, S.

"Propagation of government standards, of Buletinul de Standardizare, and of pamphlets on standardization in the Ministry of Railroads. p. 23. (PETROL SI GAZE, Vol. 6, no. 1/2, Jan/Feb, 1954. Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), IC.
Vol. 4, No. 5, May 1955, Uncl.

RUMANIA / Analytical Chemistry--Analysis of
inorganic substances.

E-2

Abs Jour : Referat Zhur--Khimiya, No. 11, 1959, 38275
Author : Ionescu, S.; Constantinescu, O., Gainar, I.,
Mihalcu, M.; and Topor, D.
Inst : Not given
Title : Investigation of the Possibility of Separating
Some Ions on Rumanian Type R-21 Cation Exchange
Resins.
Orig Pub : Studii si Cercetari Chim 6, No. 2, 313-319 (1958)
(in Rumanian with French and Russian summaries)
Abstract : The authors have determined conditions for the
resolution of 4 pairs of cations using Rumanian-
made type R-21 cation exchange resin, obtained
by the polycondensation of p-phenolsulfonic
acid (1 mol) with CH_2O (1.3 mol) in the presence

Card 1/3

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RUMANIA / Analytical Chemistry--Analysis of
inorganic substances.

E-2

Abs Jour : Referat Zhur--Khimiya, No. 11, 1959, 38275

of H_2SO_4 without the use of pressure or distil-
lation. The ion exchange capacity of the R-21
resin is about 2 mequiv/gm, calculated on a dry
resin basis; the density of the resin is 1.4852
 gm/cm^3 , moisture content 7.8%, and swelling fac-
tor 1131. Before utilization the cation exchange
resin is put in the H form by washing with an
HCl solution. Good results were obtained from
the resolution of the following ion pairs:
 Na^+-K^+ (elution with 0.05-1 N HCl; column di-
mensions 1 x 103 cm; resin grain size 0.2-0.3
mm), $\text{Ca}^{2+}-\text{Ba}^{2+}$ (0.3 M solution of ammonium ci-
trate at pH 5; 1.5x 24 cm; 0.4-0.5 mm),
 $\text{La}^{3+}-\text{Ce}^{3+}$ (ammonium citrate solution of pH 3.2;
1x 105 cm; 0.1-0.2 mm), and $\text{Th}^{4+}-\text{UO}_2^{2+}$ (1 N HCl;

Card 2/3

S/081/62/000/020/009/040
B166/B186

AUTHORS: Ionescu, S., Grigorescu, Sabău, C., Spiridon, St.

TITLE: The use of organic solvents as eluents in cation-exchange separations. IV. Possibility of separating zirconium and hafnium

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 20, 1962, 91, abstract 20D32 (Studii si cercetări fiz. Acad. RPR, v. 12, no. 2, 1961, 269-277 [Rum.; summaries in Russ. and French])

TEXT: Zr^{95} ($3.8 \cdot 10^{-3}$ g/ml) and Hf^{181} ($7.03 \cdot 10^{-4}$ g/ml) were taken for investigating the separation of these two metals over KU_2 cationite from acid solutions (pH 3) using mixtures of organic solvents and inorganic acids. The separation was studied as a function of the thickness and ionic form of the cationite layer, the nature of the organic solvent, its concentration and that of the acid in the eluent. It was found that Zr and Hf separate readily in a column ≥ 23 cm long, 0.8 cm in diameter, filled with KU_2 in the H form using ~ 100 ml concentrated HCl - acetone -

Card 1/2

S/081/62/000/020/009/040
B166/B186

The use of organic solvents as...

water (3:4:3) as an eluent at a rate of 3 drops per min. A gamma-ray spectrometer was used to check separation. Other forms of cationite (NH_4^+ , K^+ , Ba^{2+}) assist in separating the peaks, but the quantity of eluent used is considerably greater. When acetone is replaced by other solvents (isopropyl alcohol, methylethyl ketone, diethyl ketone and acetyl acetone; the last two mixed with HCl in a ratio of 7:3) the peaks become more distinct, the quantity of eluent is greatly reduced, but the elution beds become covered. [Abstracter's note: Complete translation.]

Card. 2/2

IONESCU, S.

14/003/60/011/005/018/023
A123/1026

Author: **Wesley E. G. Yon**

TITLE: Working of the Chemical Industry

Revista de Chile, 1960, Vol. 11, No. 5, pp. 279 - 302

[illegible]

Case 1/2

[illegible]

Case 2/2

ARSENI, K.; OPRESKU, I.; IONESCU, S.

Nontraumatic intraparenchymatous cerebral and cerebellar hematomas
[with summary in French]. Zhur.nevr. i psikh. 58 no.1:13-20 '58.
(MIRA 11:2)

1. Neyrokhirurgicheskaya klinika Bukharestskogo gosudarstvennogo
gospitalya No.9 imeni G.Marinesku.

(CEREBELLUM, hemorrhage,
hematoma, nontraum. intraparenchymatous (Rus))
(CEREBRAL HEMORRHAGE, case reports,
same)

Lonescu, S.

(TOP SECRET - continued)

PERSON, V.
SURNAME, Given Name

Country: Rumania

Academic Degrees: [not given]

Affiliations: Epidemiology Section of the Timisoara Branch of the RPA Institute of Health
(Sectia de Epidemiologie--Institutul de Igiena RPA, Filiala Timisoara) and
the Ruman Health Circumscription (Circumscripția Sanitara Ruman), Ruman, Tim
isoara

Source: Timisoara, Timisoara Medicala, No 2, Jul-Dec 60, pp 65-69

Date: "The Discovery of Coxsackie Virus in a Poliomyelitis Focus."

Co-authors:
PRASCH, S., Epidemiology Section of the Timisoara Branch of the RPA Institute
of Health; and the Ruman Health Circumscription, Ruman, Timisoara.
IONESCU, S., [Affiliation same as above]

2/2

(TOP SECRET)

1 / 1
RUMANIA

616.916-085.371

CAJAL, N., CEPLEANU, Maria, SORODOC, Yolanda, IONESCU, S.,
GARTNER, Magda, IANOPOL, Ligia, BOGHITOIU, Gh., FRIEDMAN, O.,
HULUTA, Lilliana, and IONESCU, Doina, of the Institute of Inframicrobiology (Institutul de Inframicrobiologie) of the Academy of the Socialist Republic of Rumania (al Academiei Republicii Socialiste Romania).

"Specific Prophylaxis in Measles. II. The Testing on Children of a Vaccine Prepared with Modified Live Virus."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 17, No 5, 66, pp 377-387.

Abstract: An anti-measles vaccine prepared with modified live M60-5Huang virus was tested on 220 children. Only minor clinical reactions resulted, with a complete absence of rashes or convulsions. One month after vaccination serum conversion was 79.41 percent, and the titer of anti-measles hemagglutination-inhibiting antibodies varied between 1/80 and 1/320. After 4 months the corresponding values were 75 percent and 1/40 to 1/80. Thus the vaccination seems to confer a specific immunity, which so far has protected the vaccinated children against measles.

1/2

DUMITRU, M.; CONSTANTINESCU, O.; IONESCU, S.

Contributions to the study of the isotopic exchange in ion-exchanging
resins. Studii cerc fiz 11 no.2:383-396 '60. (EEAI 10:1)

(Isotopes) (Ion exchange)

(Gums and resins, Synthetic)

IONESCU, S.; GHERGHESCU, A.

Preliminary studies on the interface phenomena in Cd-SO_4 , Cd with the aid of cadmium 115 as a tracer. Studii cerc fiz 11 no.3:685-694 '60. (KEAI 10:2)

1. Institutul de fizica atomica Bucuresti.
(Cadium) (Cadium sulfate) (Interfaces)
(Tracers (Chemistry)) (Radioisotopes)

R/003/60/011/005/005/023
A125/A026

AUTHOR: Ionescu, Silvia, Doctor

TITLE: The Application of Radioactive Isotopes¹⁹ in Chemical Research

PERIODICAL: Revista de Chimie, 1960, Vol. 11, No. 5, pp. 266 - 270

TEXT: Subject article deals with radioactive isotopes used in analytical chemistry. After a brief historical review of the utilization of isotopic tracer elements for studies in inorganic chemistry, the author briefly describes the most important radiochemical methods, i.e.: a) The control of analytical methods based on precipitation, centrifugation and filtration. Svedov has checked by this method the oxychloride precipitation of lead and then the separation of calcium and magnesium under the form of oxalates. Miller, Neimann and Sasonov studied the co-precipitation of strontium with BaCr_2O_4 . b) Radiometrical analyses. Blackburn and Robsons determined aminoacids by complexes, formed of traced copper salts. The works of V.I. Kuznetsov on the precipitation of complexes¹ expose co-precipitations at a concentration ratio of $1 : 10^{13}$ (0.0001 $\frac{\text{Nb}}{\text{l}}$). c) Analysis by isotopic dilution. d) Analysis by radioactivation with a series of variations. D.I. Yakovlev determined by this method traces of rare

Card 1/2

R/003/60/011/005/005/023
A125/A026

The Application of Radioactive Isotopes in Chemical Research

earthes in minerals. e) Analysis by transparency in neutrons. f) Measuring of the absorption of β rays. g) Determination of the maximum power of the β radiation. h) Method of tracing the microcomponent and recording it on a photographic plate (autoradiogram). i) Counting of the isotopic change. Radioactive indicators can be used for the computation of the constant reaction speed, establishment of unknown reaction mechanisms, etc. The chemistry of C^{14} is of special importance. Calvin conducted studies on the biosynthesis of carbon hydrates. Brief reference is made to the chemical action of ionizing radiations and to their application in practical chemistry. The author finally mentions the importance of nuclear reactions, obtained by the impact of light particles (p, n, α), or heavy particles (N, C, O). Nuclear reactions served for the determination of new atoms, which filled the free places in the periodic system of Mendeleyev. There is 1 set of figures. ✓

Card 2/2

IONESCU, S.

RUMANIA

MANEA, F.

Bucharest, Studii si Cercetari de Energetica/Seria 1
Energetica Generala si Electroenergetica, No 2, 1962, pp 249-263.

"Rapid Regulating Possibilities of a Rheostatic Voltage Regulator
with Rolling Sections. Use of the "Mecan" Analog Computer for
Studying the Stability of Adjustment of an Asynchronous Machine."

Co-authors:

IONESCU, S.

→ POMIRLEANU, M.

RUSI, A.; IONESCU, S.

Heat tempering after neutron irradiation in case of some nickel complexes. Studii cerc fiz 13 no.4:605-614 '62.

1. Institutul de fizica atomica, Bucuresti.

RUSI, A.; IONESCU, S.

Separation of the valence states from Fe^{2+} to Fe^{3+} on ion-exchange resins. Studii cerc fis 14 no.2:127-133 '63.

1. Institutul de fizica atomica, Bucuresti.

MANEA, F., ing.; IONESCU, S., ing.; POPESCU, D., ing.

Optimum power distribution between power stations. Energetica Rum
12 no.10:507-513 0 '64.

IONESCU, S., ing.; MARTAC, D., ing.; AGALIDI, E.

Optimum distribution of power between stations of an electric power system. Energetica Rum 12 no.10:538-544 0 '64.

L 34950-66 EWP(t)/ETI IJP(c) JD

SOURCE CODE: RU/0017/66/000/001/0027/0028

ACC NR: AP6026651

AUTHOR: Costache, S. (Engineer); Ionescu, S. (Engineer)

ORG: "Timpuri Noi" Works, Bucharest (Uzinele "Timpuri Noi")

TITLE: Modification of cast iron by the addition of liquid steel

SOURCE: Metalurgia, no. 1, 1966, 27-28

TOPIC TAGS: cast iron, liquid metal, steel, metallurgic process

ABSTRACT: The authors report the successful modification of cast iron by adding liquid steel. The improved material is especially suitable for cylinder heads, pistons, cylinder sleeves and similar parts. Orig. art. has: 2 figures and 1 table. [Based on authors' Eng. abst.] [JPRS: 36,646]

SUB CODE: 11 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 001

Card 1/1

UDC: 669.131.622

MANEA, E.; IONESCU, S.

Study of transients in frequency and tie-line power control in power systems with the aid of the mecan analogue computer. Studii cerc energet A 12 no.4:577-604 '62.

MANEA, F., ing.; IONESCU, S., ing.; NICOLAE, P., ing.

Influence of some parameters and methods of the electric power system on the transitory processes of frequency power control. Energetica Rum 11 no.10:519-524 0'63.

IONESCU, Sebastian; POMIRLEANU, Marius; NICOLAE, Petre

Automatic dispatcher, a device for regulating the frequency
and optimum distribution of the active power in electric systems.
Energetica Rum 9 no.12:481-488 D '61.

MANEA, Florin, ing.; IONESCU, Sebastian, ing.

Autotransformers in calculation of the power loss in
electric power networks. Energetica Rum 11 no.6:
253-255 Jo '63.

Ionescu, St.

2

PERSON - 2

SURNAME (in caps); Given Name

Country: Romania

Academic Degree: --

Affiliation: Corresponding Member of the Academy of the R.P.R. (Academia R.P.R.).

Source: Bucharest, Comunicatla Academiei Republicii Populare Romina, No 5, 1961, pp 529-533.

Dist: "The Biochemistry in the Biology of the Aged. Symposium on the Biochemistry of the Aging Process. Disturbances in the Metabolism of Vitamins, One of the Functions of the Aging Process."

Co-authors:

IONESCU, St.

RUMANIA

IONESCU STOIAN, P., Professor; DUMITRESCU, Elena.

Bucharest, Farmacia, No 9, Sep 63, pp 545-548

"The Rumanian Pharmacopoeia, 1 8th edition."

IONESCU, S.; GRIGORESCU SABAU, C.; SPIRIDON, St.

Contributions to the study of utilizing organic solvents as elution agents in cation exchange. IV. On the possibility of separating zirconium from hafnium. Studii cerc fiz 12 no.2:269-277 '61.

1. Institutul de fizica atomica Bucuresti.

(Zirconium)	(Hafnium)	(Elution)
(Cation-exchange compounds)	(Separation)	

OERIU, S.; IONESCU, St.

Biochemistry in age biology. Disorders in the metabolization of vitamins, one of the causes of aging process. Comunicarile AR 11 no.5: 529-533 My '61.

1. Colegiul de chimioterapie al Academiei R.P.R. in colaborare cu Institutul de cercetari farmaceutice si Controlul de stat al medicamentului din Ministerul Sanatatii si Prevederilor Social.
2. Membru corespondent al Academiei R.P.R. (for Oeriu)

ALEXANDRU, C., conf. ing.; BUMBARU, S., ing.; IOSIFESCU, C., ing.;
IONESCU, St.

Combined power equipment consisting of gas generators with
free pistons and gas turbines set up on board ships, and
their behavior during operation. Rev transport 9 no. 3:97-103
Mr '62.

BRANINSKI, Al.; IONESCU, T.

Special calcium cements containing barium oxide. Rev chimie 5 no.1:
95-105 '60. (EEAI 10:2)

1. Laboratorium fur anorganische chemische Technologie des
Polytechnischen Instituts Bukarest.
(Cement) (Barium oxide) (Portland cement) (Calcium)

~~IONESCU, T.~~ [Ionescu, T.] (Rumyniya); BRANISKI, Al. (Rumyniya)

Investigating some hydraulic binders in the $\text{BaO-Al}_2\text{O}_3\text{-SiO}_2$ system.
TSement 26 no.5:11-13 S-O '60. (MIRA 13:10)
(Cement) (Binding materials)

IONESCU, T., prof.

Economic efficacy of technical and scientific research. Probleme
econ 16 no.6:146-148 Je '63.

1. Director, Institutul de cercetari alimentare.

T. IONESCU, T.

RUMANIA / Chemical Technology, Chemical Products and Their Application, Part 1. - Water Treatment Sewage. H

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61380.

Author : T. Ionescu, C. Fostiropol, M. Goruneanu, V. Cristoloveanu.

Inst : Polytechnical Institute Bucharest.

Title : Treatment of Water by Coagulation in Presence of Activated Silica.

Orig Pub: Bul. Inst. politehn. Bucuresti, 1956, 18, No 1 - 2, 59 - 64.

Abstract: Experimental results of water coagulation in the presence of activated silica (AS) are presented. $Al_2(SO_4)_3$, $Fe_2(SO_4)_3$ and $FeSO_4$ were used as coagulants. AS was prepared by adding 3%-ual H_2SO_4 drop by drop to a freshly prepared

Card 1/3

RUMANIA / Chemical Technology, Chemical Products and Their Application, Part 1. - Water Treatment Sewage.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61380.

Abstract: aqueous Na_2SiO_3 solution at continuous stirring till alkalinity was partially or completely neutralized. The solution was aged till opalescence appeared and distilled water was added to it to the concentration of SiO_2 of 1% or less. Solutions with pH = 6 to 8 were used. Water of the hardness of 3.4 mg-equ. per liter and turbidity of 1000 to 1200° (artificially prepared and natural) was coagulated. It was found that coagulation with $Al_2(SO_4)_3$ without AS did not clear water completely even in 3 hours. In the case that AS was present simultaneously, the water turbidity dropped to 1° in 1 to 2 hours. The necessary consumption of

Card 2/3

DOBRESCU, Edith; IONESCU, T.

Spectral determination of impurities in pure zinc alloys.
Rev chimie Min petr 14 no.8:465-466 Ag '63.

L 64951-65 EWP(z)/EWP(b)/EWA(d)/EWP(t) LJP(c) MTR/JB
ACCESSION NR: AP5023466 RU/0003/64/015/011/0690/0691

AUTHOR: Ionescu, T.; Weissman, Ileana

TITLE: Method for the quantitative spectral analysis of pure R1 zinc ¹

SOURCE: Revista de chimie, v. 15, no 11, 1964, 690-691

TOPIC TAGS: spectroscopy, quantitative, analysis, zinc, chemical laboratory apparatus

ABSTRACT: The authors used two excitation sources (Zeiss APR-3 and PS-39 to study pure R1 spectral zinc. They found that the Ps-39 generator leads to higher sensitivity and allows faster analyses. Orig. Art. Incl.: 10 graphs and 2 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IC, GC

NR REF SOV: 000

OTHER 003

JPRS

Quinn
Card 1/1

IONESCU, T.

EXCERPTA MEDICA Sec 7 Vol 1¹/₆ Pediatrics June 60

1866. CHRONAXIMETRIC RESULTS OF THE TREATMENT OF POLIOMYELITIS SEQUELAE AT THE 'MAY 1ST' SANATORIUM, ORADEA - Rezultatele cronaximetrice ale tratamentului urmărilor poliomielitei în Sanatoriul balnear '1 Mai', regiunea Oradea - Ionescu T. - PEDIATRIA (București) 1959, 8/4 (345-349) Tables 3

Chronaximetric measurements were made on 147 muscles of 13 patients, the onset of whose poliomyelitis had occurred 3-9 months previously. The most favourable values were found in the cases of 3-6 months' standing. Retractions (observed in 75% of cases of less than 1-yr. standing) were reduced completely. Chronaximetry is the most exact method of assessment of neuromuscular function, but where such facilities are not available a minutely performed clinical examination can also give satisfactory information.

Schachter - Marseilles (L, 8, 7, 10)

MITROIU, O.; BARBU, C.; CAJAL, N.; DEMETRESCU, R.; IONEACH, T.; POPA, M.;
in colaborare cu RADULESCU, M.; DOBRESU, G.; ONITIU, L.

Etiological investigations of epidemic hepatitis. I. The study of
several viruses cultivated in cell cultures from cases of epidemic
hepatitis. Stud. cercet. inframicrobiol. 13 no.3:319-327 '62.

1. Comunicare prezentata la Institutul de inframicrobiologie al
Academiei R.P.R.

(HEPATITIS, INFECTIOUS)

(HEPATITIS VIRUSES)

(VIRUS CULTIVATION)

(TISSUE CULTURE)

SPENCER, Otilia; IONESCU, Theodora; POPA, Milena

Changes in some properties of the BF strain isolated from a case of epidemic hepatitis in the course of adaptation in human embryonic cell cultures. Stud. cercet. inframicrobiol. 16 no.1:55-59 '65.

MITROIU, Otilia; IONESCU, Theodora; POPA, Milena, tehnician

Comparative serological studies of Moscow strain K 3 and strains isolated from patients of epidemic hepatitis in our country. Stud. cercet. inframicrobiol. 16 no.2:135-138 '65.

IONESCU, Traian, ing.

Optimization by analog computers. Automatica electronica 5 no.6:
238-243 W-D 1961.

1. Inginer principal la Institutul de fizica atomica al Academiei
R.P.R.

IONESCU, Tr., ing.

"The 1962 Statistical Yearbook of Rumania." Reviewed by Tr.Ionescu.
Ind text Rum 14 no.2:87-90 F '63.

MUNTEANU, Corneliu (Bucuresti); PESTROIU, Daniel (Tirgu Jiu); PIRSAN, Liviu (Bucuresti); VOICULESCU, Dan (Bucuresti); ALEESCU, I. (Buzaras)
PELTEANU, Ioan (Bucuresti); STANCU, I.M. (Bucuresti); CHITESCU, Ion (Bucuresti); STANESCU, Ilie (Sibiu); IONESCU, Traian (Braila); KAGSO, F. (Cluj); MANESCU, L. (Rimnicu Vilcea); IONESCU-TIU, C.; FOCSENEANU, M.I.; POPA, Eugen (Iasi); MIHALCA, Dan (Bucuresti); PELIGRAD, Nicolae, prof. (Pitesti). BENA, J. Dorin (Comarnates); STANCU, Ion M. (Bucuresti).

Proposed problems. Gaz. mat B 16 no.2:86-91 F '63.

IONESCU, Tudor, ing.

Meeting of constructors from the design and construction enterprises of the Ministry of Mines and Electric Energy. Energetica Rum 12 no. 1: 58 Ja '64.

IONESCU, Tudor, ing.; TOMA, D., ing.; IVAN, Gh., inginer-sef; GLOD, Gheorghe, ing.; STEFANESCU, Fl., ing.; ASANDEI, G., ing.; NEAGSU, Ion, ing., laureat al Premiului de Stat

Our investigation. Constr Buc 16 no. 739:3 7 March '64.

1. Dispecer la Trustul de constructii nr.1, Bucuresti (for Toma).
2. Din serviciul de proiectare al Trustului de constructii nr.5, Brasev (for Glod).
3. Directorul Directiei mecanizarii, Directia generala constructiimontaj, din Ministerul Industrii Constructiilor (for Stefanescu).

IONESCU, T.D.; BRANISKI, Al.

Obtainment of magnesium oxide from sea water. Studii cerc metalurgie
7 no.4:457-463 '62.

IONESCU, T.; FLOAREA, M.; STOICA, F.; TUDORACHE, G.

Recovery of vanadium from used catalysts with the aid of ion exchange. Bul Inst Politeh 25 no.6:77-81 N-D '63.

BRANISKI, A.I.; IONESCU, T.D.

The barium puzzuolanic cements. Studii cerc chimie 10 no.2:225-233 '62.

1. Institutul Politehnic, Bucuresti.

IONESCU, Tudor D.

Behavior of sulfonated cationic resins in the process of
grape must and milk decationization. Rev chimie 7. no. 1:
279-284 '62.

1. Institut Polytechnique de Bucarest.

IONESCU, T.; WEISSMAN, Ileana

A method for the quantitative spectral analysis of pure R_1 zinc.
Rev chimie Min petr 15 no.11:690-691 N '64.

BODI, Alexandru; LASZLO, T., prof. dr.; IONESCU, T.V., prof. dr. (Bucuresti);
CISMAN, A., prof. dr. (Timisoara); PETRESCU, D., prof. dr. (Iasi)

Contribution to the study and use of rectangular tension in
the technology of measurements. Studia Univ B-B S. Math. Phys
9 no.2:139-140 '64.

1. "Babes-Bolyai" University, Cluj (for Laszlo). 2. Corresponding
Member of the Rumanian Academy (for Ionescu, Cisman).

IONESCU, Th. V.

RUMANIA/ Physical Chemistry. Molecule. Chemical Bond.

B-4

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 25749

Author : Th. V. Ionescu

Inst : Academy of People's Republic of Rumania

Title : Potential Activation of Negative Molecular Ions of Hydrogen H_2^- .

Orig Pub : Bul. stiint. Acad. R.P. Romine Sec., mat. si fiz., 1954, 6, No 4, 919-935

Abstract : The author offers a theoretical explanation of the characteristic minima of curves expressing the dependence of the current magnitude in an oscillating circuit, connected with the negative glow region and the Faraday region in the direct current discharge, on the current magnitude in the discharge tube. The author connects the presence of minima with the energy absorption by negative molecular ions of hydrogen, the number of which reaches a maximum under certain conditions. The author notes a new effect connected with the energy interchange between the spinning molecule and the electron joining it.

Card : 1/1

- 9 -

IONESCU, Th.

"Soviet and Rumanian research in the field of electric waves" p. 378;
 "Issued by the Rumanian Society of Mathematics and Physics, Monthly".
 (GAZETA MATEMATICA SI FIZICA, SERIA AL, Vol. 6, no. 8/9. Aug./Sept. 1954.
 Bucuresti, Rumania).

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 5,
 May, 1955.

IONESCU, THEODOR V

2
V The structure of negative molecule ions of hydrogen (H_2^-) and oxygen (O_2^-). Interpretation of the critical frequencies of the ion sphere with the aid of individual frequencies of the negative oxygen ions. Theodor V. Ionescu, *Rev. phys., Acad. rep. populaire Roumaine* 1, 10-62 (1956). The author calcd. the individual frequencies of the O and H mol. ions with the following assumption: as a consequence of the extra electron the excited mol. in the mol. magnetic field performs a precessional movement. The mol. magnetic field is formed on the 1 hand by the magnetic moment of the O mol., on the other hand by the resulting magnetic moment of the 2 protons. The agreement of the calcd. resonance frequency with the values measured from the absorption of the elec. waves in ionized air is very good. By means of the interpretation of the emission and absorption of the neg. O ions, some processes in the layers of the ion sphere can be explained. From C.Z. 1958, 7369.

IONESCU, TH.

"Perpetual motion."

p. 579 (Gazeta Matematica Si Fizica) Vol. 9, no. 11, Nov. 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

IONESCU, TH.

Propagation of high-frequency currents in tubes with ionized gases. In French.
p. 89.

REVUE DE PHYSIQUE. JOURNAL OF PHYSICS. (Academia Republicii Populare Romine)
Bucuresti, Rumania. Vol. 3, no. 2, 1958.

Monthly List of East European Accessions (KEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

S/091/62/000/003/004/090
B151/B144

AUTHOR: Ionescu, Theodor V.
TITLE: Absorption and liberation of energy by negative molecular ions of oxygen and hydrogen
PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1962, 14, abstract 3B66 (Comun. Acad. RPR, v. 11, no. 2, 1961, 181-186)

TEXT: It is shown that on the basis of three different resonance phenomena observed during an investigation of negative molecular ions of oxygen and hydrogen (RZh Khim, 1960, no. 21, 83737), there is one common mechanism: By means of the electron joined to the molecules forming negative molecular ions, the rotational or vibrational energy of the molecules can be liberated or absorbed. The quantum transitions at this point are studied. It is also shown that by means of joined electrons the molecules of organic substances can be activated or disintegrated to radicals. In this way numerous new compounds can be formed in ionized gases in a high-frequency field. [Abstracter's note: Complete translation.]

Card 1/1

GEORGESCU, Miron; DOBREANU-ENESCU, Viorica; FOTESCU, Dorin; IONESCU, Tr.

Hemodynamic aspects of performing football players. Stud. cercet. med.
intern. 3 no.3:391-401 '62.

(CARDIOVASCULAR SYSTEM physiology) (SPORTS)
(EXERTION physiology) (ELECTROCARDIOGRAPHY)
(BLOOD CIRCULATION) (OXIMETRY) (BLOOD PRESSURE)

DAVIDOVICI, M., ing.; IANOU, Al., ing.; IONESCU, Tr., ing.; WEISS, Ad., ing.

Electronic computer for optimum load distribution among electric power plants considering the network losses. Energetica Rum 11 no.7:363-366 J1 '63.

IONESCU, V. ; DUMITRESCU, D.

Numerical method in the study of the runoff across the overfall.
p.387.

Academia Republici Populare Romine. COMUNICARILE. Bucuresti, Rumania.
Vol. 8, no. 4, Apr. 1958

Monthly list of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959

Uncl.

IONESCU, V.

TECHNOLOGY

Periodical: REVISTA INDUSTRIEI ALIMENTARE. PRODUSE ANIMALE. No. 4, 1958.

IONESCU, V. For the development of the invention and innovation movement in the consumption-goods industry. p. 1.

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.

IONESCU, V., ing.; BLEGU, M., ing.

Fighting the deep erosions in the framework of territory
organization. Rev geodesie-7 no.2:56-65 '63.

1. Consiliul Superior al Agriculturii.

CRISTESCU, Cornelia; IONESCU, Victor; VLAICU, Stefania; NOGACEVSKI-RUSU, L.;
POPOVICI, Gigel

Precise positions of minor planets. Studii astron seismol 4 no.2:
321-361 '59. (KEAI 9:9)
(Planets)

27120

10.6200

R/008/61/000/004/001/003
D238/D304

AUTHORS: Tipei, N., and Ionescu, V.

TITLE: Study of a class of plane motions of aircraft

PERIODICAL: Studii si cercetari de mecanica aplicata, no. 4,
1961, 743 - 753

TEXT: The article deals with vertical loopings flown by aircraft performing aerobatics. When studying this motion, generally it is assumed that the path is a vertical circle. This hypothesis, however, is seldom satisfied, the curve having the more general shape of a phugoid section. Starting with the general expression of the radius of the curvature

$$r = \frac{1}{\sum_{n=0}^{\infty} A_n \sin n \frac{\gamma}{2}} + \sum_{n=0}^{\infty} B_n \sin n \frac{\gamma}{2} \quad (1)$$

Card 1/10